Crossbow

MOTE-KIT MICA2

MICA2 MOTE DEVELOPER KITS

Pre-Installed Mesh Networking Software

- Commercial Development Platform for MICA2, MICA2DOT Motes

- Processor/Radio Boards PreInstalled with Reliable Mesh Networking Software

- Multi-Function Sensor Boards, Convenient External Sensor Interface, Serial and Ethernet Gateways

- Network Topology, Sensor Data, Current and Historical Network Data Analysis via Windows®-Based User Interface

- Software Debugging and Development Tools, Including Radio Communication and Network Test Applications
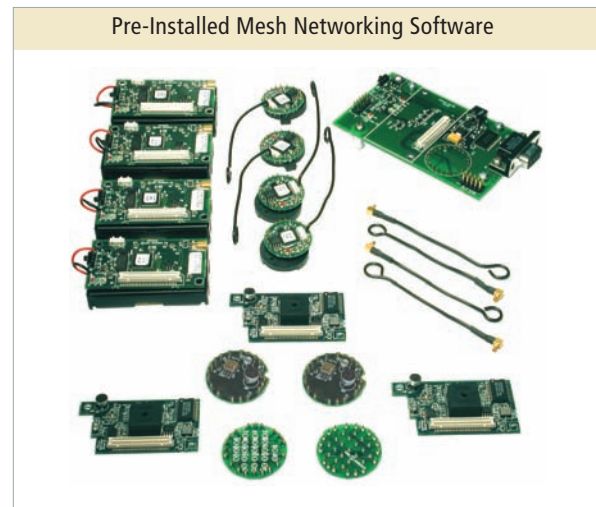
Applications

- Wireless Mesh Networking Nodes

- Monitoring Applications:
  - Industrial
  - Environmental
  - Security
  - Physical
  - Health

- Asset and Location Tracking

400 Series

400 SERIES

The Basic Kit, MOTE-KIT400, is the entry level kit for Mote Development. It features Crossbow's latest generation MICA2 Motes and is supported with the TinyOS mote operating systems. This kit provides all of the basic tools to develop and test a prototype wireless sensor network.

The Kit includes:

- 3 MICA2 Processor/Radio Boards
- 2 MTS300 Sensor Boards (Light, Temperature, Acoustic, and Sounder)
- 1 MIB510 Programming and Serial Interface Board with DB-9 (Male-Female) RS-232 Cable
- Indoor node and base housings
- TinyOS Support Tools CD-ROM (Includes Hardware User's Manual and TinyOS Getting Started Guide)
- Available in 315 MHz, 433 MHz, and 868/916 MHz options

5040 SERIES

The Professional Kit, MOTE-KIT5040, is an 8 node kit for Mote development. It features Crossbow's latest generation MICA2 and MICA2DOT Motes. Both Mote platforms are compatible with TinyOS.

The Kit includes

- 4 MICA2 Processor/Radio Boards
- 4 MICA2DOT Quarter-Sized Processor/Radio Boards
- 3 MTS310 Sensor Boards (Acceleration, Magnetic, Light, Temperature, Acoustic, and Sounder)
- 2 MTS510 Sensor Boards (Acceleration, Light, Acoustic)
- 2 MDA500 Prototype and Data Acquisition Boards
- 1 MIB510 Programming and Serial Interface Board with DB-9 (Male-Female) RS-232 Cable
- Indoor node and base housings
- 1 MICA2DOT Programming Cable
- TinyOS Support Tools CD-ROM (Includes Hardware User's Manual and TinyOS Getting Started Guide)
- Available in 315 MHz, 433 MHz, and 868/916 MHz options

Ordering Information

Model	Description
MOTE-KIT5040CC	MICA2 & MICA2DOT Professional Developer's Kit - 868/916 MHz
MOTE-KIT5141CC	MICA2 & MICA2DOT Professional Developer's Kit - 433 MHz
MOTE-KIT5242CD	MICA2 & MICA2DOT Professional Developer's Kit - 315 MHz
MOTE-KIT400CC	MICA2 Basic Developer's Kit - 868/916 MHz
MOTE-KIT410CC	MICA2 Basic Developer's Kit - 433 MHz
MOTE-KIT420CD	MICA2 Basic Developer's Kit - 315 MHz